# ANNUAL CONVOCATION



Northern Alberta Jubilee Auditorium

#### THE PRESENTATION

The Dean of the Faculty of Arts and Science asks the candidates for degrees to rise, and presents them with these words:

"Eminent Chancellor and President, on behalf of the Faculties, I present to you these scholars and ask that they be pledged and admitted to the degrees to which they are entitled."

#### THE PLEDGE

The President, then rising, addresses the candidates in these words:

"Do you promise faithfully to observe and loyally to maintain the statutes, customs, privileges and liberties of this your University? Do you pledge your honour that when you become a member of Convocation you will vote only for those whom you surely know or firmly believe to be fit and proper persons to share in the government of this University? Do you solemnly promise to conduct yourself in all things loyally and faithfully to the honour of your University, the encouragement of learning and the good of your country?"

Each candidate replies: "These things I pledge myself to do."

#### THE ADMISSION

The Chancellor then addresses the candidates in these words:

"By virtue of the authority vested in me by the Legislature of this Province, and with the consent of this University, I admit you to the degrees to which you are entitled, and invest you with all the powers, rights and privileges pertaining to such degrees, and I charge you to use them for the glory of God and honour of your country."

Candidates then sit down.

# University of Alberta

#### FIFTIETH ANNUAL CONVOCATION

for the

# CONFERRING OF DEGREES



Two o'clock, Wednesday Afternoon

May the Eighteenth

Nineteen Hundred and Sixty

Northern Alberta Jubilee Auditorium

Edmonton, Alberta

#### ACADEMIC PROCESSION

#### O CANADA

THE INVOCATION Reverend E. J. Thompson, M.A., B.D., Ph.D., D.D.

#### REPORT OF THE PRESIDENT TO CONVOCATION

# PRESENTATION OF THE ALUMNI GOLDEN JUBILEE AWARD to

Maimie Shaw Simpson, M.Sc., M.Ed. by Mr. S. R. Rogers

#### CONFERRING OF HONORARY DEGREE OF DOCTOR OF LAWS

The Most Reverend John Hugh MacDonald, B.A., D.D., LL.D.  $Archbishop\ of\ Edmonton$ 

Presented by The Honorable Mr. Justice Hugh John Macdonald

Sem Wissler Field, Q.C., B.A., LL.B. Presented by Dr. C. M. Macleod

> Joseph Dewey Soper Presented by Dr. J. R. Nursall

Edouard Sonet, M.A., D.d'U. Presented by President W. H. Johns

CONVOCATION ADDRESS Dr. Edouard Sonet

#### PRESENTATION OF DIPLOMAS

CONFERRING OF DEGREES
The Presentation
The Pledge
The Admission

GOD SAVE THE QUEEN

RECESSION

Organist: GEORGE SAMUEL

## Awards

Awards to graduating or graduate students.

The place mentioned after each prize winner's name is that in which his home is located.

#### THE FACULTY OF ARTS AND SCIENCE

The Governor General's Gold Medal Richard Graham Miller, Edmonton

The Lieutenant Governor's Gold Medal David Gomer Fish, Edmonton

The Faculty of Arts and Science Gold Medals
In the B.A. program: John Edward Henry Conder, Calgary
In the B.Sc. program: Drake Hocking, Edmonton

#### THE FACULTY OF AGRICULTURE

The Alberta Institute of Agrologists Gold Medal Park Letts, Westlock

#### THE SCHOOL OF COMMERCE

The T. Eaton Company's Gold Medal in Commerce Harold Owen Ricker, Bremner

The Hudson's Bay Company Gold Medal in Commerce Harold Owen Ricker, Bremner

The Institute of Chartered Accountants of Alberta Prize in Third Year Commerce William Allen Johnston, Edmonton

#### THE FACULTY OF EDUCATION

The Clarence Sansom Memorial Gold Medal in Education Walter E. Riedel, Fort Macleod

The Edmonton Home Economcis Association Prize
Kathryn Hubic, Pelly, Saskatchewan

#### THE FACULTY OF ENGINEERING

The Henry Birks and Sons Gold Medal in Engineering Frederick William Eric Vermeulen, Edmonton

The Association of Professional Engineers of Alberta Gold Medals
In Chemical Engineering: Lyman Dale Sortland, Bowden
In Civil Engineering: Robert Henry Savage, Cold Lake
In Electrical Engineering: Frederick William Eric Vermeulen, Edmonton
In Engineering Physics: Murray William Strome, Lethbridge
In Mechanical Engineering: Joseph Morris Chudobiak, Dalroy
In Metallurgical Engineering: Not awarded
In Mining Engineering: Not awarded
In Petroleum Engineering: Not awarded

The Jessie E. Paull Memorial Prize Kenneth James Singleton, Edmonton

The Oilfield Technical Society Prize
William George Magee, Edmonton

The Northern Alberta Branch of the Canadian Institute of Mining and Metallurgy Prizes

Coal Mining or Coal Preparation: Not awarded Metal Mining or Metallurgy: William Donovan Cowan, Hythe Geology: Roger Gagnon, Edmonton Petroleum: Not awarded

THE SCHOOL OF HOUSEHOLD ECONOMICS

The Warren W. and Ida E. Prevey Memorial Gold Medal in Household Economcis

Joan Louise Freypons, Drumheller

The Lorena Barfoot Prize
Not awarded

THE FACULTY OF LAW

The Horace Harvey Gold Medal in Law Not awarded

The George Bligh O'Connor Silver Medal in Law Not awarded

The Raymond James Memorial Prize in Law
Not awarded

The National Trust Prize in Law Jack Nick Agrics, Edmonton

The Morris and Naomi Shoctor Memorial Prize in Law John Victor Decore, Edmonton

> The Carswell Prize in the Faculty of Law In the third year: Jack Nick Agrios, Edmonton

> > THE SCHOOL OF NURSING Reported at Fall Convocation

THE FACULTY OF PHARMACY

The Alberta Pharmaceutical Association Gold Medal in Pharmacy
John Hugh McNeill, Edmonton

The Prize for Pharmaceutical Research Charlotte Doreen Wilders, Ponoka

The Canadian Pharmaceutical Association Prize
Mary Yakimowich, Edmonton

THE SCHOOL OF PHYSICAL EDUCATION
The Alumni Gold Medal in Physical Education
George Edward Kingston, Edmonton

#### DEPARTMENTAL AWARDS

#### BOTANY

The J. E. Olsen Prize Gladys Diane Freeman, Bentley

#### CHEMISTRY

The Professor Osman James Walker Memorial Scholarship Brian Ralph Wakeford, Edmonton

The Cave and Company, Ltd. Scholarship in Chemistry
Edward Piers, Edmonton

#### **ENGLISH**

The Rutherford Memorial Gold Medal in English
Not awarded

The James Patrick Folinsbee Memorial Prize
Elizabeth Gilroy Pope, Edmonton

#### **ENTOMOLOGY**

The Entomological Society of Alberta Prize
Max Wulfsohn McFadden, Massena, New York

#### GEOGRAPHY

The Canadian Association of Geographers' Book Prize
Melvin Peter Larsen, Dickson

#### **GEOLOGY**

The Association of Professional Engineers of Alberta Gold Medal in Geology

Melvyn Roy Stauffer, Didsbury

The Rutherford Memorial Prize in Stratigraphy
Melvyn Roy Stauffer, Didsbury

#### HISTORY

The John Henry Stanley Memorial Prize Glen Scott Shortliffe, Edmonton

The George Malcolm Smith Memorial Prize Hans Ernest von Stackelberg, Edmonton

#### **MATHEMATICS**

The A. Wyman Memorial Gold Medal in Mathematics Robert Lister Forbes, Edmonton

#### **MODERN LANGUAGES**

The Bronze Medal in French Walter E. Riedel, Fort Macleod

The French Government Bursary
Marie Alice Irene O. Charron, Quebec City, Quebec

# The German Government Prize In German 400: Walter Riedel, Fort Macleod

The Canadian Legion, Norwood Branch, Scholarships in Ukrainian Jeanette Eugenia Makowsky, Calgary Lubow Maria Stangret, Vilna

The Ukrainian Catholic Women's Award in the Ukrainian Language
Julian Louis Laychuk, Edmonton

#### PHILOSOPHY AND PSYCHOLOGY

The MacEachran Gold Medals
In Philosophy: Not awarded
In Psychology: David Gomer Fish, Edmonton

The Samuel M. Strong Gold Medal and Prize in Sociology
David Gomer Fish, Edmonton

#### **PHYSICS**

The Sam Fefferman Memorial Gold Medal in Honors Physics
Richard Graham Miller, Edmonton

#### POLITICAL ECONOMY

The Duncan Alexander MacGibbon Gold Medal in Political Economy
Not awarded

#### SPECIAL AWARD

The Joseph Dolson Oliver Mothersill Memorial Scholarship John Victor Decore, Edmonton

#### GRADUATE AWARDS

The following awards are open to two or more Fields of Study:

University of Alberta Graduate Fellowship Frederick Enns, Edmonton (Ed. Admin.)

Province of Alberta Graduate Fellowships

John Wesley Moon, Oklahoma (Mathematics)

John A. Poole, New York (Chemistry) Alden G. Sherwood, Edmonton (Chemistry)

#### Province of Alberta Graduate Scholarships

Ronald S. Brown, Calgary (Chem. Eng.)
Thomas Walter Dingle, Edmonton
(Chemistry)

Richard Harvey Enns, Edmonton (Physics)
David G. Fish, Edmonton (Sociology)
Robert L. Forbes, Edmonton (Mathematics)
Ernest W. Gorecki, Saskatchewan

George W. Poling, Edmonton (Metallurgical Eng.) George Samuel, Jr., Edmonton (English) Yves-Francois Zoltvany, Montreal (History) Harvey Zingle, Edmonton (Education)

(Chemistry)

The Francis F. Reeve Foundation Bursaries

Horace E. Ottley, West Indies (Soil Mech.) Ross E. Traub, Edmonton (Ed. Psych.) Avinash C. Singhal, India (Civ. Eng.)

#### The Francis F. Reeve Intersession Bursaries

Jo Anne Dutka, Canmore (English)
Warwick B. Elley, Edmonton (Ed. Psych.)
Roger J. Hill, England (Pol. Sci.)
Herbert D. Peters, Edmonton (Education)

Leonard P. Sampson, Vancouver, B.C. (Education)
Gilbert A. Stelter, Bruderheim (History)

#### Graduate Teaching Fellowships

Alexander J. Black, Edmonton (English) Alan F. Brown, Edmonton (Ed. Admin.) Donald W. C. Harris, Toronto (Geology) Roger J. Hill, England (Pol. Econ.) Krishna Kumar Jha, India (Plant Sci.) Thomas P. Jones, North Wales (Chemistry) Peter J. Kozak, Edmonton (Chemistry) Peter J. McCart, Vancouver, B.C. (Zoology) Peter J. Riley, Celista, B.C. (Physics) Herfried W. Scheer, Calgary (Modern Languages) Merle I. Scott, Edmonton (English)

The C.I.L. Fellowship
Earl R. Milton, Edmonton (Chemistry)

The Shell Oil Fellowship Henk van Oene, Edmonton (Chemistry)

The Cominco Fellowship
Brian R. Wakeford, Edmonton (Chemistry)

The California Standard Company Graduate Fellowship

Deferred

The Robert Tegler Research Scholarship Billie Eleanor McBride, Edmonton (Ed. Psych.)

The Stapells Graduate Scholarship John Edward Conder, Calgary (Economics)

The Henry Marshall Tory Scholarship Gwyneth M. Witney, Donatville (Psychology)

The following awards are open in one Field of Study only:

#### AGRICULTURE

Canadian Sugar Factories Scholarship
Deferred

Robert Gardiner Memorial Graduate Scholarship
Deferred

#### **EDUCATION**

The Clarence Sansom Scholarship in Education Walter E. Riedel, Fort Macleod

The Du Pont Company of Canada Limited Scholarship
Deferred

THE CANADIAN EDUCATION ASSOCIATION FELLOWSHIPS

The Imperial Oil Company Limited Fellowship in Educational Administration Wycliffe Robbins, Corner Brook, Newfoundland

The Canadian Text Book Publishers Fellowship in Educational Administration Jean-Yves Drolet, Gifford, Quebec

The International Nickel Company of Canada Limited Fellowship in Educational Administration
Calvin Gibb Merkley, Cardston

The W. K. Kellogg Foundation Fellowships in Educational Administration

Deferred

The Carnegie Corporation Fellowships in Educational Research
Deferred

#### ENGINEERING

The Pan American Petroleum Corporation Fellowship in Petroleum Engineering

Deferred

#### GEOLOGY

The Pan American Petroleum Corporation Fellowship in Geology Donald Martin Kent, Regina, Saskatchewan (Geology)

#### **PHARMACY**

The Warner-Lambert Graduate Fellowship
Deferred

The Pfizer Research Scholarship Jitendra Nath Pandey, India (Pharmacy)

#### AWARDS MADE BY OTHER INSTITUTIONS

The following are open to two or more Fields of Study:

The Canada Council Awards

Pre-Doctor's Scholarships:

Margaret A. Brine, Edmonton Brian L. Evans, Taber

William Rodney, Calgary

Scholarship for Secondary Teachers and Librarians: Charles T. Peacocke, Edmonton

Imperial Oil Graduate Research Fellowship
Calvin R. Evans, Edmonton

The Imperial Order Daughters of the Empire War Memorial I Postgraduate Overseas Scholarship John Irvin Daeley, Pincher Creek

The Imperial Order Daughters of the Empire War Memorial II
Postgraduate Overseas Scholarship
Gordon Rodney Morisset, Hanna

The National Research Council Awards

Postdoctorate Overseas Fellowships:

Harvey R. Schneider, Medicine Hat Russell G. Smith, Gleichen Hubert W. Wilson, Edmonton

Special Scholarships:

Dennis R. McCalla, Edmonton

Stephen F. H. Threlkeld, Edmonton

Studentships:

Gustav S. Christensen, Drumheller Paulus A. Goud, Edmonton Peter W. Hochachka, Edmonton Ronald B. Madge, Calgary Joseph P. O'Donnell, Agassiz, B.C.

Robert N. Plank, Bluffton Garry R. Purdy, Edmonton James Riddell, Ponoka William H. Vanden Born, Busby Conrad F. Wehrhahn, Mountain View

Bursaries:

Roger M. Evans, Edmonton Harland E. Johnson, Edmonton

Murray W. Strome, Lethbridge Frederick E. Vermeulen, Edmonton

The Rhodes Scholarship Henry Russell Glyde, Edmonton

The following awards are open in one Field of Study only:

#### ENGINEERING

The Athlone Fellowships Group A-Robert Frederick Frindt, Edmonton Garry Martin Lindberg, Bluffton

Webb Memorial Student Paper Competition First: John Albert Houlden, Calgary Second: Robert M. S. Scarth, Edmonton Third: Malcolm James Innes, Edmonton

The above list of awards made by other institutions is not necessarily complete.

#### FIRST CLASS STANDING

In the following list of students those whose names are marked with an asterisk (\*) have qualified for University of Alberta Honor Prizes. Those whose names are not so marked have qualified for University of Alberta First-Class Standing Prizes.

> Faculty of Arts and Science Honor Courses

Fourth Year:

Richard Harvey Enns, Edmonton \*Roger Malcolm Evans, Edmonton David Gomer Fish, Edmonton

\*Robert Lister Forbes, Edmonton \*Richard Graham Miller, Edmonton Allan Rudolph Stein, Leduc

General Courses

Third Year:

Drake Hocking, Edmonton

Diploma in Art

Fourth Year:

None

Faculty of Agriculture

Fourth Year:

Kenneth Leland Ditzler, Joffre

Melvin William Prowse, Cluny

Park Letts, Westlock

School of Commerce

Third Year:

None

Faculty of Education

Fourth Year:

Kathlyn Benger, Edmonton Hannah G. Bradley, Victoria, B.C. George Noel Cormack, Edmonton Deanna L. Laycock, Calgary Robert J. McCue, Lethbridge Albert H. Miller, Edmonton Morris K. Miller, Stony Plain Donald Laird Raine, Edmonton Walter E. Riedel, Ft. Macleod Annie B. Vas, Edmonton Douglas Whitelaw, Calgary

#### Faculty of Engineering

Fourth Year:

\*John R. Brews, Calgary
\*George B. Carpenter, Kinsella
\*Joseph M. Chudobiak, Dalroy
Robert F. Frindt, Edmonton
Arthur Heidebrecht, Red Deer
Garry W. Hollingshead, Edmonton
Alan E. Mather, Edmonton
John M. Motil, Hillcrest

George M. Royer, Gem
Robert H. Savage, Cold Lake
Howard L. Schreyer, Mannville
Walter Semchuk, Calgary
\*Lyman D. Sortland, Bowden
\*Murray Wm. Strome, Lethbridge
Edward L. Tomusiak, Edmonton
\*Frederick W. E. Vermeulen, Edmonton

#### School of Household Economics

Third Year:

Mary W. Ashford, Edmonton

Faculty of Law

Third Year:

None

School of Nursing

Fifth Year:

Katherine A. Yakimets, Edmonton

Diploma in Teaching and Supervision:
Carole A. Taylor, Edmonton

Diploma in Public Health:

None

Faculty of Pharmacy

Third Year:

None

School of Physical Education

Third Year: None

The list of candidates for degrees and diplomas appearing herein is subject to such corrections, with respect to both deletion and addition, as may be necessary.

## **Diplomas**

Diploma in Public Health Nursing Candidates presented by Professor Ruth McClure, Director of the School of Nursing

Juanita Inez Barr, Edmonton Jean Louise Clark, Stony Plain (in abs.) Beverley Frances Coward, Lethbridge (in abs.)

Amaryllis Irene Eaton, Edmonton Valleda Joy Francis, Sedgewick (in abs.) Mary Hilda Graves, Red Deer (in abs.) Lillian Sophia May Hartzheim, Bowness (in abs.) Barbara Janet Holley, Elk Point Dorothy Janet Wold, Lethbridge

#### Diploma in Teaching and Supervision in Schools of Nursing

Florence Jane Allen, Wainwright Betty Fay Beimler, Lethbridge (in abs.) Doris Christine Bircham, Carnagh, Sask. (in abs.)

Eva Ann Casey, Westlock Dolores Joan Charbonneau, Edmonton (in abs.) Agnes Isobel Clyne, Regina, Sask. (in abs.)

Norma Frances Coates, Lethbridge

Anastasia Drozdiak, Edson Alice Fischbuch, Leader, Sask. Lillian Giacchetta, Lethbridge Joan Evelyn Hilton, Edmonton (in abs.) Vivienne Geraldin Martin, North Battleford Sask. Jeanette Elsie Pond, Irma Carole Anne Taylor, Edmonton

## Degrees

Admitted to the Degree of Bachelor of Arts (Honors)

Candidates presented by Professor D. E. Smith, Dean of the Faculty of Arts and Science

Diane Kathleen Farmer, Edmonton (honors in Modern Languages)

Patricia Agnes Klinck, Edmonton (honors in Modern Languages) Gloria Marie Lehner, Vilna

(honors in Modern Languages) Adriana Natalie Ileana Slaniceanu, Edmonton (honors in Modern Languages)

Myrna Gail Stephen, Edmonton (honors in Modern Languages)

Lorette Kathleen Yeudall, Whitecourt (honors in Psychology)

Alexander James Black, Edmonton (honors in English)

Gerald Edward Brice, Edmonton (in abs.) (honors in Latin and English)

Reginald Lorne Campbell, Arrowwood (honors in Latin and French)

David Gomer Fish, Edmonton (first-class honors in Sociology and Psychology)

Robert David Hawkins, Calgary (honors in English)

Claude Rudolph Owen, Edmonton (in abs.) (honors in Modern Languages) Glen Scott Shortliffe, Edmonton (honors in History)

#### Admitted to the Degree of Bachelor of Arts

With First-Class General Standing John Edward Henry Conder, Calgary

Carolyn Jane Adams, Edmonton (in abs.) Heather Ruth Alexander, Rimbey Barbara Karin Arnold, Mission City, B.C.

(in abs.)
Shanee Birenbaum, Edmonton
Lorna Jean Blackbourne, Lethbridge
Irmgard Bernice Buob, Edmonton
Evelyn June Buxton, Edmonton
Marie Alice Odette Charron,

Quebec City, Que.
Muriel Ann Coambs, Edmonton
Jean Adele Craig, Edmonton
Earlyn Eva Dean, Edmonton
Lois Ellen Dean, Edmonton
Donna Marie Deeprose, Edmonton
Doreen Mary Draper, Edmonton
Esther Sharon Estrin, Edmonton
Adrienne Leigh George, Regina, Sask.
Karen Pearce Giebelhaus, Edmonton
Patricia Ann Hamilton, Forestburg
Joyce Anne Hendrickson, Camrose
Meredith Ann Johnston, Calgary
Donna Joan Kenway, Edmonton
Gail Merle Kernan, Edmonton
Ann Marta Kleiman, Oxbow, Sask.
Shirley Anne Laminman, Calgary
Maria Annamelda Liviero, Edmonton

(in abs.)
Betty Arlene McKay, Calgary
Barbara June Makepeace, Edmonton
Esther Rose Newhouse, Edmonton
Geraldine Ruth Noak, Edmonton
Grace Lorraine Ouellette, Grande Prairie
(in abs.)

Clarice Pearlman, Calgary
Christine Joanna Piebiak, Eaglesham
Izene Prothroe, Calgary
Margaret Rose Shandro, Edmonton
Jean Diane Snow, Calgary
Darlene Ruth Steiner, Calgary
Beverley Anne Stillings, Camrose
Norah Emaline Thomas, Edmonton
Patricia Olcen Toombs, Calgary (in abs.)
Lois Gwenda Waight, Edmonton
Joan Pauline Wensel, Edmonton
Betty Priestley Wilson, Edmonton (in abs.)
Bernard Leo Adell, Edmonton
James Herbert Allison, Edmonton
Blake Llewellyn Anderson, Edmonton
Samuel Richards Baker, Cardston

(in abs.)
Derril Clive Butler, Cardston
Gary Gene Cioni, Calgary
Andrew Kinloch Clark, Falkirk, Scotland
(in abs.)

Charles Joseph Clark, High River John William Percy Cole, Sussex, England (in abs.)

Edwin Samuel Cook, Edmonton William Herbert Downton, Calgary (in abs.)

George David Edmunds, Calgary

Clifford Gordon Edwards, Mayerthorpe Alvin Ewald Effa, Springside, Sask. Edward Locke Elford, Edmonton James Elliot, Edmonton (in abs.) Ronald Marvin Erickson, Calmar Christopher Dudley Daltry Evans, Calgary Franklin Bruce Ferguson, Edmonton Rene Paul Joseph Foisy, Edmonton (in abs.)

Robert John Frederick, Calgary John Lorne Frey, High River Edward Henry Friesen, Calgary (in abs.) Kenneth Thomas Joseph Fuller, Edmonton Wendel Eugene Goodrich, Hardisty

Robert Joseph Gowen, New Brunswick, New Jersey, U.S.A. (in abs.) George Edward Henderson, Edmonton David Edward Hitchin, Edmonton John Anthony Hustwick, Edmonton Hermann Wilhelm Janzen, Edmonton (in abs.)

Lionel Locksley Jones, Edmonton
Ronald David Karoles, Edmonton
Robert Joseph Kelly, Calgary (in abs.)
Harry Koshel, Jasper (in abs.)
Robert Norris Lamont, Calgary
Roger Irenée Langevin, Lac La Biche
(in abs.)

Melvin Peter Larsen, Innisfail (in abs.) George Mervyn Lloyd, Unity, Sask. Robert Arthur Lundrigan, Cardston William Henry McKay, Edmonton (in abs.)

Murdith Ronald McLean, Edmonton William Fraser McNamee, Calgary (in abs.)

(in abs.)
David George Malchow, Stavely
James Timothy Mah Ming, Red Deer
Gerrit John Nieboer, Nobleford
Walter Grant Notley, Olds
Leslie Nuttall, Mexico (in abs.)
Donald Wesley Oke, Red Deer
Karl Oliver Peterson, Holden (in abs.)
William James Allan Phillips, Edmonton
Abram Peter Regier, Calgary (in abs.)
William Garbert Rigby, Calgary (in abs.)
Steve Sachaschik, Edmonton
Douglas Esmond Sanders, Edmonton
Cyril Edwin Sapiro, Edmonton
Brian Howard Scharf, Calgary
David Harry Searle, Yellowknife, N.W.T.
(in abs.)
Peter Paul Semenchuk, Edmonton

Philip John Smerek, Lethbridge
Alan Charles Hayward Smith, Alliance
Robert Thomas James Stobie, Edmonton
(in abs.)

Charles Kenneth Talbot, Lethbridge Cameron Clucas Teare, Calgary David Jon Thomson, Redcliff Patrick Albert Todd, Biggar, Sask. (in abs.) Richard Holden Williams, Ensign (in abs.) Hans Ernest von Stackelberg, Edmonton Robert George Wilson, Calgary Edward John Wigmore, Edmonton Francis Keith Wright, Edmonton

Admitted to the Degree of Bachelor of Science in Arts and Science (Honors)

Ursula Mary Elisabeth Bielenstein, Edmonton (in abs.)
(honors in Mathematics)

Heather Anne Brown, Calgary (honors in Zoology)

Nadia Hochachka, Edmonton (honors in Psychology)

Victoria Margaret Krawciw, Edmonton (honors in Biochemistry)

Robin Patricia McPherson, Calgary (honors in Chemistry)

John Norman Bragg, Standard (in abs.) (honors in Geology)

George Michael Caklos, Blairmore (honors in Geology)

James Frederick Easton, Calgary (honors in Physics)

Fred Yoshihiro Edamura, Picture Butte (first-class honors in Chemistry)

Richard Harvey Enns, Edmonton (in abs.) (first-class honors in Physics)

Calvin Ralph Evans, Calgary (first-class honors in Physics and Geology)

Roger Malcolm Evans, Edmonton (in abs.)
(first class honors in Zoology)

Robert Lister Forbes, Edmonton (first-class honors in Mathematics)

George Maurice Gaucher, Edmonton

(first-class honors in Chemistry)
Henry Russell Glyde, Edmonton
(honors in Physics)

Robert Kingsley Jull, Calgary (in abs.)
(honors in Geology)

John Charles Kenyon, Edmonton (in abs.)
(honors in Mathematics)

Eugene William Kulsky, Calgary (in abs.) (honors in Geology)

Richard Graham Miller, Edmonton (first-class honors in Physics)

David William Alexander Mount, Taber (in abs.) (honors in Physics)

Charles Quon, Edmonton (in abs.)
(honors in Physics)

Graham Arthur Rendall, Calgary (in abs.)

(honors in Geology)
Melvyn Roy Stauffer, Didsbury

(honors in Geology)

Allan Rudolph Stein, Leduc (in abs.) (first-class honors in Chemistry)

Admitted to the Degree of Bachelor of Science in Arts and Science

With First-Class General Standing

Henry Hasegawa, Edmonton Drake Hocking, Edmonton (in abs.) Anne Aleksiuk, Grassland Shawne Allen, Calgary (in abs.) Jeanette Dorothy Bayduza, Edmonton Agnes Nova Berreth, Dalroy Lucille Maria Boutin, St. Paul Alice Louise Brown, Edmonton Marjorie Alice Clarke, Fort Vermilion Rochelle Anne Desharnais, Champion Rita Victoria Elaschuk, Smoky Lake Gladys Diane Freeman, Bentley Christine Susan Kay, Edmonton
Nora Agnes Knowles, Byemoor
Eileen Mabel Lewis, Edmonton
Helen Oline Lonvik, Calgary
Valerie Rita Frances Markle, Edmonton Louise Laura Nielsen, Edmonton Leslie Anne Payne, Edmonton Gail Agnes Robertson, Edmonton Eleanor Ann Savich, Edmonton Barbara Anne Secter, Calgary Constance Theresa Skulsky, Calgary Lubow Maria Stangret, Vilna
Lorraine Gail Stepchuk, Edmonton
Patricia Marie Turta, Leduc
Roy John Abbott, Edmonton
Terrence Glenn Allen, Calgary
James Alexander Barr, Edmonton (in abs.)
Dale Harold Bent, Wimborne
Robert Bernard Paul Blachut, Edmonton Robert Bernard Paul Blachut, Edmonton Charles Thomas Brearley, High Prairie Herbert Enoch Breitkreutz, Edmonton Kenneth Anthony Brillon, Faust (in abs.) Duncan Robert Brown, Calgary Richard George Byers, Ponoka (in abs.) Bernard Caner, Victoria, B.C.
Peter Victor Coldham, Calgary (in abs.)
Gerald Prescott Craig, Edmonton
Wilfred Samuel Cumming, Three Hills Christopher Davidson, Edmonton Willem den Hertog, Edmonton
Charles James Dibble, Calgary
William Robinson Dyer, Calgary
LeRoy Martin Erickson, Hythe
Roy Douglas Ferguson, Edmonton (in abs)

Roger Gagnon, Edmonton (in abs.) Albert Edward Hardy, Edmonton (in abs.) Herbert Edward Herunter, Edmonton Ho Tung Hui, Edmonton Reginald Dale Jackson, Moose Jaw, Sask. Albert Anthony Francis Kirdeikis, Edmonton Leroy Boston Lightfoot, Edmonton Vernell Lindeburg, Edmonton Frederick Lisevick, Edmonton Louis Lorincz, Calgary (in abs.) Robert Francis McLaren, Three Hills Robert Douglas McLean, Calgary (in abs.) Al Lambert Maberley, Banff Vince Machacek, Turin Thomas Owens Maguire, Calgary Garry Seymor Marliss, Edmonton (in abs.) Kenneth Michael Monner, Milo Keith Reginald Dale Mundy, Calgary Jack Loran Nichols, Edmonton (in abs.) Mike Ostafichuk, Édmonton (in abs.) Geoffrey Leslie Pawson, Calgary (in abs.) Frank Albert Perrino, Edson (in abs.) Lloyd David Pirzek, Warspite (in abs) Paul Ponich, Breynat (in abs.) Gerald Edward Purcell, Calgary Solomon Wilfred Ramsankar, Edmonton Kenneth Edward Robertson, Vulcan Alvin Glen Scott, Sherwood Park Alvin Glen Scott, Sherwood Park
Evhen Stefan Shevchishin, Edmonton
Nurmi Simm, Peace River
Harm Smid, Edmonton
Campbell Ririe Spencer, Magrath
Nunham Glenn Stanford, Stavely (in abs.)
Joseph Lawrence Tymko, Two Hills
Warren David Waddell, Regina, Sask. (in abs.) James Thadius Walasko, Calgary Kenneth Philip Wheeler, Edmonton Arthur Frederick Wilson, Edmonton John Campbell Woodman, Edmonton (in abs.) Wayne Jefferson Wright, Edmonton Murray Ronald Young, Calgary Eric Herbert Zieber, Medicine Hat (in abs.)

Admitted to the Degree of Bachelor of Science in the Faculty of Agriculture

Candidates presented by Professor C. F. Bentley, Dean of the Faculty of Agriculture

With Distinction
Park Letts, Westlock

Alexander Paul Chrumka, Tilley (in abs.) Kenneth Leland Ditzler, Joffre Stuart David Fraser, Clyde Graham Alexander Edward Gall, Acme Gary Dean Holroyd, Warner David Glen Johnstone, Stettler Milburn Lewis Lerohl. Wetaskiwin Norman Duncan Manuel, Innisfail Lorne Richard Ottewell, Clover Bar Gerald Buckley Parlby, Alix Melvin William Prowse, Cluny Alan Grant Stuart, Edmonton

Admitted to the Degree of Bachelor of Commerce

Candidates presented by Professor H. Harries, Director of the School of Commerce

Margaret Anne Lyseng, Armena Isabella Sophie McMillan, Edmonton David Morley Aboussafy, Wetaskiwin Gerald Andrew Berkhold, Redcliff Edward Robert Blasken, Drumheller
Beverley Gene Cottrell, Edmonton
Robert John Ellis, Edmonton
Michael Funduk, Edmonton (in abs.)
Matthew Mickey Earl Garlough, Edmonton
Donald Robert Glover, Edmonton
Ernest Cecil Hambrook, Calgary
Kenneth Brown Innes, Edmonton
William Allen Johnston, Edmonton
Edward Ernest Keeping, Edmonton
Donald Glen Kross, Edmonton
Victor Krupka, Warspite
George Stewart Lane, Parkland
Andrew Ronald Law, Calgary
George Henry Martin, Vermilion

John Mah Ming, Red Deer (in abs.)
Edward Terence Mowbrey, Edmonton
Robert James Mowbrey, Edmonton
John Robert O'Hara, Edmonton
Jerald Dee Palmer, Raymond
Robert Edward Pottinger, Calgary
Crosby Harold Quilliam, Edmonton
Harold Owen Ricker, Bremner
Gordon Douglas Roberts, Vancouver, B.C.
William Keith Robertson, Edmonton
Terrance Alvon Romans, Edmonton
Alvin Clifford Stelter, Bruderheim
John Wallace Wear, Wainwright
Leonard MacGregor Williamson, Valleyview

#### Admitted to the Degree of Bachelor of Education

Candidates presented by Professor H. T. Coutts, Dean of the Faculty of Education

Enid Jean Allan, Calgary (in abs.) Sonya Naomi Bernhardson, Camrose Constance Mary Bott, Vancouver, B.C. Josephine Adabelle Brewer, Bowness

(in abs.)
Sheila Westoby Brooks, Red Deer
Lorna Maureen Buie, Edmonton
Inga Adeline Chapman, Edmonton
Winnifred Maude Clare, Edmonton
Marjorie Jane Clark, Edmonton
Myrtle Florence Dean, Edmonton
Isobel Marie Dunnett, Calgary (in abs.)
Kathryn Anne Forrest, Edmonton

(in abs.) Ada Jean Fraser, Edmonton Kathleen Florence Gay Gallivan, Calgary

Lafern Amelia Harker, Edmonton
Olga Hendersohn, Edmonton (in abs.)
Pauline Currie Hughes, Toronto, Ont.
(in abs.)

Vera Mary Jarvis, Edmonton
Patricia Reist Jevne, Wetaskiwin
Sally Joy Johson, Halkirk
Rosalie Ann Kelly, Vegreville
Edna Marilyn Kinna, Edmonton
Marguerite Ethel Kuester, Wetaskiwin

(in abs.)
Isabel Ann Lancaster, Beaver Crossing
Laila Anna Laukas, Edmonton

(in abs.)
Deanna Louise Laycock, Calgary (in abs.)
Sister Sainte-Martha

(Mederise Gladys Lessard), Edmonton Barbara Anne MacDougall, Carstairs

(in abs.)
Rena Joy McFarlane, Edmonton
Agnes Irene McMillan, Gadsby
Mary Barbara McPheat, Calgary (in abs.)
Margaret Helena McPherson, Calgary
(in abs.)

Janet Isobel McRae, Vancouver, B.C. Margaret Isabella Anderson Main, Calgary (in abs.)

Jeanette Eugenia Makowsky, Calgary Evelyn Muriel Martin, Edmonton Hazel Murray, Hartell Miiko Diane Nagata, Lethbridge Julia Viriginia O'Brien, Barrhead

(in abs.) Doris Irene Peterson, Edmonton Mary Isobel Purcell, Calgary Betty Joan Robertson, Edmonton Natalka Joan Salamandick, Vegreville Olive Sylvesta Sather, Edmonton Margaret Isabella Schramm, Edmonton Sylvia Jean Shaw, Edmonton Gloria Faye Smaniotto, Blairmore Betty Jean Smith, Calgary (in abs.) Edith Minnie Sprung, Edmonton Mary Joan Tidy, Calgary Janet Ellen Tincknell, Calgary Annie Barbara Vas, Edmonton Ethel Elizabeth Wall, Edmonton Elbert Jack Anglin, Calgary (in abs.) John Bradbury Baker, Calgary Marvin Walter Baker, Edmonton Robert Leonard Cecil Baker, Edmonton Leroy Alton Bjorgum, Edmonton John Phillip Borger, Calgary Douglas William Russell Brown, Calgary Nick N. Chenewski, Canora, Sask. Robert Paul Christensen, Stony Plain George Ted Dwernychuk, Edmonton Roy Roderick Gouchey, Beaverlodge Robert Hedley, Edmonton John Martin Hillerud, Edmonton Maurice Edward Izzard, Edmonton (in abs.)

Robert Lewis Kidd, Calgary (in abs.)
Francis Klassen, Edmonton (in abs.)
William James Klufas, Edmonton
Arthur William Lampitt, Sherwood Park
(in abs.)

Arthur Nelson Finlay Longair, Calgary Leonard Douglas McDougall, Calgary James Walter Allen MacLean, Edmonton Frank Mather, Bremner Gordon Elbert Millar, Wainwright Ernest Alyn Mitchner, Edmonton (in abs.) William Alexander Moisey, Edmonton Elbert Lund Nielson, College Heights Walter Henry Paetkau, Rosemary Lawrence Edward Rappel, Rosedale Walter E. Riedel, Fort Macleod (in abs.) Denis Alvin Saffran, New Norway William Sawchuk, Edmonton Orest Steblyk, Vegreville (in abs.)

John Thomas Stranatka, Edmonton

Harvey William Telford, Red Deer (in abs.)

George McDonald White, Calgary

Frederick Garth Worthington, Edr

Henry John Zieber, Medicine Hat

Ronald Joseph Tesolin, Lac La Biche

(in abs.) Michael Uhryn, Rycroft (in abs.) Charles Kenneth Westerlund, Edmonton (in abs.) Frederick Garth Worthington, Edmonton

Admitted to the Degree of Bachelor of Education in Industrial Arts Oliver Pearce Stonehocker, Bentley Frederick George Vincent, Calgary (in abs.) (in abs.)

#### Admitted to the Degree of Bachelor of Physical Education

Candidates presented by Professor Maury Van Vliet. Director of the School of Physical Education

Roberta Frances Collett, Regina, Sask. Patricia Lorna Jackson, Edmonton Irene Klassen, Edmonton Doris Elaine Peacock, Edmonton Barbara Jean Woywitka, Edmonton Wayne Douglas Armitstead, Edmonton (in abs.)

Padraic James Clooney, Edmonton George Edward Kingston, Edmonton Benjamin Alexander Laidlaw. Cardston (in abs.) Ernest Sorochan. Edmonton

Admitted to the Degree of Bachelor of Science in Chemical Engineering

Candidates presented by Professor G. W. Govier. Dean of the Faculty of Engineering

With Distinction.

Alan Edward Mather, Edmonton Lyman Dale Sortland, Bowden Leonard Bithel, Edmonton (in abs.) Andrew Bohay, Vilna Neville Robert Burroughs, Leduc

James Brian John Cochrane, Millet Raymond Brian Collins, Edmonton John Curilla, Morinville (in abs.) Robert Leslie Darling, Fort Saskatchewan Chrysant Lubomyr Dmytruk, Edmonton Douglas Frederick Charles Doull, Edmonton Gordon Lynn Duckworth, Edmonton Robert Wallace Eden, Medicine Hat Thys Eerkes, Edmonton (in abs.) John Ferguson, Winnipeg, Man. (in abs.) Malcolm James Hannah, Drumheller (in abs.)

William Chester Henry, Goodwin (in abs.) Keith Thomas Horn, Edmonton John Albert Houlden, Calgary

Arthur Janz, Edmonton Randall Henry Keil, Calgary Eugene Edgar Kupchanko, Edmonton Ervin Roy Walter Lack, Edmonton Terrence Wayne Law, Yorkton, Sask. Lucien Harry Lieberman, Calgary John Alan McKim, Edmonton William George Magee, Edmonton Allan Michael Marysiuk, Evansburg Robert Alexander Mooney, Edmonton Theodore Roger Nemirsky, St. Michael Stanley Ostapowich, Andrew Donald Leon Podgurny, Edmonton Henry Allen Rose, Edmonton Robert Floyd Stauffer, Edmonton (in abs.) Carl Frederick Swensson-Rosenquist. Beausejour, Man. Kenneth Van Dewark, Fort Macleod Albert Norman Wurfel, Hilda (in abs.)

Admitted to the Degree of Bachelor of Science in Civil Engineering

With Distinction

Theodore Belke, Hines Creek George Rae Donald, Busby Arthur Cornelius Heidebrecht, Red Deer William Frederick Hobden, Edmonton Alan Robert McKay, Lousana Tom Yoshiharu Miyanaga, Taber Takeshi Okamura, Lethbridge

# Robert Henry Savage, Cold Lake Walter Semchuk, Calgary Kenneth James Singleton, Edmonton

Ralph Morris Anania, Montreal, P.Q. (in abs.) Josephat Balko, Holden Peter Nicholas Balko, Holden Gary Terrence Ballash, Edmonton Raymond Philip Benson, Calgary Gordon Arthur Berdahl, Hesketh Harold Allen Berg, Coleville, Sask. Barry Reid Bishop, Sheerness William Francis Bruyer, Edmonton Dennis James Bussard, Lethbridge James Edward Cowley, Calgary Frederick Richard Daniels, Irma David Francis Edwards, Sylvan Lake Zaniel Dennis Figol, Edmonton James Patrick Ford, Calgary Gary Brian Gallelli, Calgary Kenneth Arthur Hamman, Calgary Garry Wood Hollingshead, Edmonton (in abs.) Charles D'arcy Daniel Howard, Colorado Springs, Colorado Herbert Michael Howard, Montreal, P.Q. (in abs.) Malcolm James Innes, Edmonton Hisashi Kadonaga, Calgary Alfred Martin Joseph Keen, Edmonton Nickolas John Kitz, Edmonton

Stanley Peter Kolomyjec, Forest Lawn Ivan Frederick Kraemer, Calgary William Brooks Landers, Edmonton Albert Daniel Laplante, Edmonton Glen Kenneth Lecki, Edmonton Shik-Yeung Lee, Calgary Eugene Volodomyr Luchka, Bon Accord Robert James McGhee, Calgary James Gerard McKendry, Calgary (in abs.) Kam Lun Mah, Edmonton Peter Bill Makowichuk, Coleman (in abs.) Melvyn Charles Marshall, Edmonton Gerald Hugh Morton, Edmonton Stanley Nelson, Wetaskiwin (in abs.) Richard William Nichols, Bowness William August John Nordick, Englefeld, Sask. (in abs.) Elburn James Ottewell, Clover Bar Donald John Pawluk, Edmonton Robert Phil Richards, Edmonton Ivan Michael Robison, Calgary Allen Roy Rogers, Edmonton Robert Main Stewart Scarth, Edmonton Ralph James Silver, Edmonton Allan Herbert Stretch, Edmonton Michael Daniel Tkachuk, Ranfurly Ralph Samuel Walters, Edmonton Donald LeRoy Weiss, Edmonton

#### Admitted to the Degree of Bachelor of Science in Electrical Engineering

With High Distinction
George Bryer Carpenter, Kinsella

With Distinction

John Michael Motil, Hillcrest Ronald Robert William Nolan, Edmonton Melvin Lester Peers, Edmonton George Maxwell Royer, Gem (in abs.)

Ross Charles Beers, Edmonton Howard Mathew Bender, Fort Smith, N.W.T. (in abs.) Owen Roger Clements, Binscarth, Man. Marinus Antonie de Vette, New Westminster, B.C. David William Dewar, Edmonton Donald Allen Dobie, Calgary Terry Douglas Ferguson, Edmonton Walter Murray Ferguson, Edmonton Victor Kondrosky, Edmonton Alfred Gilbert Krause, Radway (in abs.)
James Gim Chown Lee, Calgary (in abs.) Colin Patrick MacArthur, Red Deer (in abs.) James Stuart Muir, Edmonton Patrick Manson Newman, Lacombe Alfred Brian Peters, Delia

Milton William Petruk, Warwick

Adolf Wilfred Plato, Edmonton
Larry Leroy Raymond Prather, Edmonton
Jean Etienne Jacques Putter, Edmonton
Eugene Albert Pytel, Smoky Lake
Vello Reili, Edmonton
Boris Sakowsky, Derwent
Gerald Charles Scott, Edmonton
Berthold Tepper, Edmonton (in abs.)
John David Thomson, Tofield
James Ronald Tilbe, Fort Macleod
John Vandenborn, Busby
Frederick Eric Vermeulen, Edmonton
(in abs.)
John Walchuk. Edmonton (in abs.)

John Walchuk, Edmonton (in abs.)
Raymond Roy Watts, Calgary
Donald James West, Mountain View
Glenn Lavern White, Wainwright
Donald Eric Wilson, Ottawa, Ont. (in abs.)
Bill Wong, Medicine Hat

#### Admitted to the Degree of Bachelor of Science in Engineering Physics

With High Distinction
William Murray Strome, Lethbridge

With Distinction

John Robert Brews, Calgary (in abs.)
Robert Frederick Frindt. Edmonton

Peter M. Huculak, Edmonton (in abs.)

Garry Martin Lindberg, Bluffton

Niel Bowman Poulsen, Lethbridge (in abs.) Howard Linn Schreyer, Mannville (in abs)

Edward Lawrence Tomusiak. Edmonton

Norman Philip Archer, Didsbury (in abs.) Grant McKinley Smith, Calgary Donald Roy Chilibeck, Edmonton (in abs.) William Joseph Feyrer, Cayley

#### Admitted to the Degree of Bachelor of Science in Mechanical Engineering

With Distinction

Joseph Morris Chudobiak, Dalroy Edward Gerald Hauptman, Edmonton

Ronald James Burns, Edmonton
Larry Ross Burroughs, Edmonton
George Andrew Givens, Edmonton
William Fraser Grant, Drumheller
James Russel Gunderson, Medicine Hat
Christopher Hans Gussow, Calgary
Edward George Hrdlicka, Edmonton
Trent Allan James, Edmonton
Gerald Leroy Johnson, Barons

Henry James Lepp, Lethbridge Fredrick William Sagan, Edmonton Douglas Reynolds Shepherd, Edmonton William Tytula, Edmonton Ralph Carl Wirsig, Gray Creek, B.C. (in abs.) Charles Francis Wood, Edmonton William Zahary, Legal Otto Zander, Edmonton

Admitted to the Degree of Bachelor of Science in Metallurgical Engineering

James Albert Wiltshire, Edmonton Roger Hugo Giovanetto, Canmore

Admitted to the Degree of Bachelor of Science in Mining Engineering

Glen Frederick Andrews, Edmonton (in abs.)

William Donovan Cowan, Hythe (in abs.)

Dougall Joseph MacDonald, Dorchester, Mass. (in abs.) William Donald Swanson, Bentley (in abs.)

Admitted to the Degree of Bachelor of Science in Petroleum Engineering

Leonard James Boychuk, Round Hill Ian Graham Bryden, Trail, B.C. (in abs.) Bruce Loftus Goodall, Edmonton August Alan Hochstein, Edmonton Robert Arthur Mackett, Edmonton Harry Maguss, Edmonton

John Irvin Raines, Edmonton Peter Edward Reimer, Edmonton Ralph John Russell, Edmonton Raymond George Sawka, Redwater James Mark Stanford, Edmonton Walter Thomas Watson, Edmonton

Admitted to the Degree of Bachelor of Science in Household Economics

Candidates presented by Professor Hazel McIntyre, Director of the School of Household Economics

Mary Wynne Ashford, Edmonton Elaine Deloris Clark, Burdett Joan Louise Freypons, Drumheller Ann Christina Gouthro, Edmonton Eugenia Stephania Sokoluk, Lavoy Maryetta Thornton, Edmonton Carol Anne Watson, Calgary

#### Admitted to the Degree of Bachelor of Laws Candidates presented by Professor W. F. Bowker, Dean of the Faculty of Law

Darlene Rosalie Wong, Fort Saskatchewan Jack Nick Agrios, Edmonton Norman Archibald Bradley, Edmonton Peter Roy Chomicki, Edmonton Ronald Gordon Cummings, Edmonton John Victor Decore, Edmonton Steve Denecky, Maybutt Edgar Henry Gerhart, Edmonton Harvey Jerrold Hurov, Calgary Glenn Alexander Irving, Edmonton Daniel Reid Kuss, Winnipeg, Man. Duncan Lovell McKillop, Calgary

George Frederick McKimm, Calgary
Alec Thirlwell Murray, Edmonton
Lynn Allen Patrick, Edmonton
Daniel Uri Pekarsky, Edmonton
William Theodore Pidruchney, Edmonton
Kenneth James Rootes, Edmonton
David James Robertson Ross, Edmonton
Rostyk Sadownik, Grassland
Robert Edgar Schnell, Camrose
Alexander Shamchuk, Edmonton
Laszlo Gyula Szmolyan, Edmonton
Robert Kenneth Vickerson, Calgary

#### Admitted to the Degree of Bachelor of Science in Nursing

Candidates presented by Professor Ruth McClure,
Director of the School of Nursing
With First-Class General Standing
Katherine Anne Yakimets, Edmonton

Dora Mildred Banister, Calgary
Rita Conrad, Taber
Leigh Adrienne Dakin, Edson
Joan Eddie, Calgary
Sandra Jean Ashley Falck, Calgary
Barbara Joan Green, Edmonton
Hilda Heine, Edmonton
Edna Marie Hill, Calgary
Marion Ivy Johnson, Calgary
Jean Kathleen Kerry, Bowness (in abs.)

Lorraine Joan McCullagh, Calgary

Marion Ruth McKee, Sechelt, B.C.

Marilyn May Massing, Red Deer Carolyn Joan Matthews, Thornhill, Ont. Geraldine Marie Melnyk, Andrew Catherine Elizabeth Ann Millward, Victoria, B.C. (in abs.) Sharon Diane Molineaux, Calgary Gloria Catherine Sobie, Edmonton Alice Barbara Taylor, Edmonton Florence Claire Tissington, Grande Prairie Gayle Frances Wright, Consort Mary Elizabeth Wright, Calgary

# Admitted to the Degree of Bachelor of Science in Pharmacy Candidates presented by Professor M. J. Huston, Dean of the Faculty of Pharmacy

Betty Joan Auld, High River Irene Marie Bendzera, Edmonton Marlene Myrtle Briggs, Edmonton Carole Irene Crosweller, Calgary Nadia Daviduk, Innisfree Carol-Ann Foxall, Edmonton Ruth Margaret Frevel, Edmonton Sarah Jean Hunt, Heinsburg Myrna Edith Anne Johnson, Edmonton Carole Marie Lefebvre, Edmonton Joanne Zena Lewicky, Edmonton Lois Leona McLaren, Edmonton Rosie Anna Radomski, Edson Shirley Elaine Rankine, Calgary Ruby Delores Sass, Edmonton Miriam Diane Scott, Lethbridge Sharon Yvonne Weed, Edmonton Charlotte Doreen Wilders, Ponoka Mary Yakimowich, Edmonton Lorne Leslie Anger, Duhamel Ronald Ridley Brandt, Calgary Edgar Carlos Richard Bruns, Edmonton

John Norman Cargill, Wainwright Murray Carlson, Hinton Norman Chuen, Bow Island Patrick Barry Dawson, Edmonton Patrick Jerome Donnelly, Rimbey George Evanoff, Edmonton Donald Victor French, Calgary Gerald Anthony Galenza, Camrose Ross Garfield Haslam, Calgary Robert Charles Heim, Edmonton Ronald Allan Huber, Edmonton Eugene George Kolotyluk, Edmonton Jerrold Gene Larson, Edmonton Archie Wright McKechnie, Calgary Robert Donald MacKenzie, Edmonton John Hugh McNeill, Edmonton Roger John Powlik, Thorsby William Everard Rudd, Edmonton Maurice Francis Simpson, Lethbridge Edward Joseph Stremecki, Bowden Daniel Philip Switzer, Edson Donald Stewart Vickerson, Lacombe

#### Admitted to the Degree of Bachelor of Divinity

Candidates presented by Dr. E. J. Thompson, Principal of St. Stephen's College

David Killam Gilchrist, B.A., Morse, Sask. (in abs.)
Arthur Kloepfer, B.A., Calgary (in abs.)

Ray Emerson Leppard, B.Sc.(Arts) M.Sc. Edmonton Kenneth William Morris, B.Sc.(Agric.)

Edmonton

#### Admitted to the Degree of Master of Arts

Candidates presented by Professor A. G. McCalla, Dean of the Faculty of Graduate Studies

Karen Freda Hansen, B.A. "Linguistics Applied to Foreign Language Teachings." (Linguistics—Modern Languages)

Ruth Marie Hill, B.Ed. "A Study of Methaphysical Elements in the Poetry of Emily Dickinson." (English) (in abs.)

Margaret Louise Loggie, B.A. "One Man in His Time."—A Novel. (English) (in abs.)

Romana Trylich, B.A. "The Reception of Thomas Mann in France 1924-1930." (German) (in abs.)

Samuel Obiba Kwamina Barnes, B.A. "The Fiscal Development of Ghana." (Economics) Robert Douglas Hare, B.A. "An Investigation of the Relationship of the Level of Abstraction in Written Expression to Intellectual Ability and Academic Achievement."

(Psychology)

Thomas Alan Parry, B.A. "The Rorschach M. Response and Interest in People: A Validation Study." (Clinical Psychology)

Donald Watkins, B.Ed. "The Terminology of Justice and Rightfulness and their Antonyms in the Oldest Chansons de Geste." (French) (in abs.)

Rudy Henry Wiebe, B.A. "Peace Shall Destory Many"—A Novel. (English) (in abs.)

#### Admitted to the Degree of Master of Education

Jean Elizabeth Robertson, B.Sc (H.Ec.), B.Ed. "Some Administrative Problems Associated with Literacy Work in Ethiopia." (Educational Administration) (in abs.)

Sister Saint-Sylva, B.Sc.(Arts), B.Ed. "An Investigation of the Teaching of French in the Bilingual Schools of Alberta and Saskachewan." (Secondary Education—French)

Edison Frederick Bardock, B.Ed. "A Study of Accreditation." (Educational Administration)

Sidney Axel Lindstedt, B.Sc. (Arts) "An Analysis of the Relationship Between Certain Qualifications of Grade IX Mathematics Teachers in Alberta Schools and the Results of Their Students in the Final Examination for the Year 1957-58." (Educational Psychology) (in abs.)

Arthur George McFaul, B.Ed., B.Sc. (Arts) "An Analysis of the Calgary Laggard Policy."

(Educational Psychology) (in abs.)

Edwin McKenzie, B.Ed. "The Library Facilities and Reading Interests of Pupils in the Intermediate Grades in the Public Schools in a Small Urban Center." (Elementary Education) (in abs.)

Willian Reginald Morris, B.A., B.Ed. "An Analysis of the Effects of Counselling and Group Guidance on Realism of Educational and Vocational Choice at the Grade Nine Level." (Educational Psychology) (in abs.)

Robert Cameron Ritchie, B.A., B.Ed. "A Survey of Selected Non-graded Elementary School Programs in Canada and the United States." (Elementary Education) (in abs.)

#### Admitted to the Degree of Master of Science

Eunice Jean Chesney, B.Sc. (Arts) "The Establishment of a Chemical Quantitative Method for the Determination of Urinary Estrogens and its Application to a Clinical Study." (Biochemistry) (in abs.)

Walter Babowal, B.Sc. (Eng.) "The Analysis on Strain in Concrete Pavement Steel." (Civil Engineering)

Bruce Livingston Baker, B.Sc.(Arts) "Determination of the Rate of Formation of the Nickel Complex of Pheophytin." (Physical Chemistry)

Harry Gerard Basler, B.Sc. (Eng.) "The Coefficient of Thermal Expansion of Concrete." (Civil Engineering)

Donald Grant Bellow, B.Sc.(Eng.) "Transverse Curvature of Plates Under Large Deflections." (Mechanical Engineering)

George Bidulock, B.Sc.(Eng.) "Investigation of a Microwave Luneberg Lens." (Electrical Engineering)

Christopher Hedley Bigland, D.V.M., D.V.P.H. "Studies on Chicken Blood Coagulation." (Physiology)

Malcolm McKittrick Chase Collins, B.Sc. (Eng.) "Network Analyser Accuracy." (Electrical Engineering)

- Frederick Michael Connelly, B.Sc. (Agric.) "Dietary Protein Utilization and Thyroid Activity in Two Lines of Rats and Their Reciprocal Crossbreds." (Animal Genetics)
- Leonard Domaschuk, B.Sc. (Eng.) "An Investigation of the Stabilization of Several Sands and a Sandstone from Alberta Using Portland Cement." (Civil Engineering)
- Tibor Fekete, B.Sc.(Eng.) "The Plugging Effect of Bacteria in Sandstone Systems." (Petroleum Engineering)
- Robert Kenneth Germundson, B.Sc. (Arts) "Wapiabi Biostratigraphy." (Geology) (in abs.) David Nicholas Graveland ,B.Sc. (Agric.) "The Use of Gypsum in the Reclamation of
- Solonetzic Soils." (Soil Science) (in abs.)

  Donald Rae Grekul, B.Sc. (Eng.) "The Decomposition Kinetics of Zinc-Aluminum Alloys."
- (Metallurgical Engineering) (in abs.)

  Colin Joseph Karasek, B.Sc. (Eng.) "Experimental Concrete Pavements in Alberta." (Civil
- Engineering)
  Heinz Josef Kraus, B.Sc.(Arts) "Stayhylococcal Mastitis in Alberta Dairy Herds."
  (Bacteriology)
- Henry Nichols Kupczynski, B.Sc. (Eng.) "Load Tests on Glued Laminated Arches." (Civil Engineering)
- Donald Haughton Lennox, B.A. "Some Terrestrial Heat Flow Measurements in Alberta." (Geophysics)
- William Gordon Leslie, B.Sc. (Eng.) "Inelestic Properties of Concrete." (Civil Engineering) Frank Lukawitski, B.Sc. (Eng.) "Elastic Instability of a Pony Truss Bridge." (Civil
- Engineering)

  Bruce Eugene McDonald, B.Sc. (Agric.) "Effect of Energy and Amino Acid Levels on Protein Requirements of Poultry." (Poultry Nutrition)
- Arthur Edward McMullen, B.Sc. (Eng.) "An Investigation into the Strength of Bolted Joints in Douglas Fir." (Civil Engineering)
- Mir Mohammed Omer, B.Sc. (Eng.) "The Horizontal Pipeline Flow of Air-Water Mixtures." (Chemical Engineering)
- Donald Bryce Remington, B.Sc. (Arts) "Precambrian Rocks of the Whistler's Mountain Trail Map-area, Jasper." (Geology)
- Walter John Ross, B.Sc. (Eng.) "Volume and Strength Changes in Soils Due to Frost Action." (Civil Engineering) (in abs.)
- Wilson George Sterling, B.Sc.(Eng.) "The Effect of Prestraining on the Transition Temperature of Mild Steel." (Civil Engineering)
- Glenn William Swift, B.Sc.(Eng.) "The Use of Network Analyser in Studying Restriking Voltage Transients." (Electrical Engineering)
- Donald John Taylor, B.Sc. (Eng.) "Further Studies in the Stress Strain Relationships of Lightweight Concrete." (Civil Engineering)
- Jacobus Petrus Verschuren, Ir. "Special Aspects of the Hydraulic Jump on a Sloping Floor." (Civil Engineering) (in abs.)
- Clarence Richard Winter, B.Sc. (Eng.) "Displacement of High Viscosity Oil by a Water-Driven Miscible Slug." (Petroleum Engineering) (in abs.)
- Reginald Kenneth Wood, B.E. "The Upward Vertical Flow of Oil-Water Mixtures: Effect on Second Phase Viscosity on Pressure Drop, Flow Pattern and Holdup." (Chemical Engineering)
  - Admitted to the Degree of Doctor of Philosophy
- Reginald Albert Moore, B.Sc. (Arts), M.Sc. "Ultrasonic Attenuation and Dispersion in Normal Metals at Low Termperatures and in Polycrystals." (Theoretical Physics)
- Walter Martin Wangerin, B.A., M.S.Ed. "A Descriptive Study of the Minimum Requirements for Graduation From Secondary Education in the Provinces of Canada in 1958." (Secondary Education Curriculum)
- Jean-Robert Weber, Dipl. Ing. "The Dosimetry of Small Beta Ray Sources and a Study of the Relative Biological Efficiency (RBE) of Strontium 90—Yttrium 90 Beta Rays on Allium cepa Roots." (Physics)

Admitted to the Degree of Doctor of Laws, Honoris Causa The Most Reverend John Hugh MacDonald, B.A., D.D., LL.D. Sem Wissler Field, Q.C., B.A., LL.B.

Joseph Dewey Soper

#### **DIPLOMAS**

The General Faculty Council of the University has approved the award of diplomas to the following students:

#### Diploma in Nursing

Dianne Marie Atkinson, Millet Lou-Anne Carscadden, Edmonton Charlotte Lauralee Carter, Edmonton Margaret Daunine Daly, Edmonton Carolyn Louise Fetherstonhaugh, Edmonton

Lamonton
Valera Lorraine Gallagher, Edmonton
Lynn Anne Graham, Edmonton
Ethel Kathleen Hare, Edmonton
Marian Aileen Hauck, Edmonton
Eleanor Marion Hennessy, Edmonton
Joyce Cynthia Johnson, Calgary
Janet Yvonne Nettie Kolodychuk,
Edmonton

Annie Mary Kuczmak, Edberg

Margaret Jean Law, Clive
Louise Annette Lawley, Gainford
Margaret Rose MacDonald, Edmonton
Geraldine Marian Makarenko, Fairview
Marjory Edith Miller, Carmangay
Marlene Elaine Miller, Edmonton
Dagny Marion Naslund, Holden
Jeanette Mary Orchuk, Grande Prairie
Jeanette May Oshanek, Regina, Sask.
Valerie Jean Elizabeth Perring, Edmonton
Margaret Jean Richards, Edmonton
Donna Arlene Anne Ross, Wetaskwin
Norah Grace Sharpe, Edmonton
Kathleen Ann Thomas, Mannville
Ethel Marion Turner, Stettler

#### Music

Associate Diploma in Music

Lawrence Alexander Mysak, Edmonton Kenneth Hugh Nichols, Edmonton

#### PROFESSIONAL CERTIFICATION

#### CERTIFICATES OF POSTGRADUATE QUALIFICATION IN MEDICINE

#### Internal Medicine

Dr. John Walter Dawson Dr. Robert Henry Dougall Dr. Clinton Bruce Hatfield Dr. Robert Edgar Hatfield Dr. Joseph Ralph Hilliard Dr. Clark Thomas Leavitt Dr. Richard Edward Rossall Dr. Brian Jessup Sproule Dr. Joseph Lloyd Weatherilt

Psychiatry
Dr. Alvin E. Walker

Paediatrics

Dr. Ruth Brenda Devlin

Dr. Margaret Georgina Pearson

Dr. William Patrick Liston

Diagnostic Radiology
Dr. David Louis Wayne

Therapeutic Radiology Dr. Alan Francis Phillips

Diagnostic and Therapeutic Radiology
Dr. Clarence Edward Holmes

Anaesthesiology

Dr. Robert James Stewart

Dr. Frederick William Hill Dr. Roy Ronald Spackman

Pathology
Dr. Richard Kenneth Thornton

#### General Surgery

Dr. Cecil Melville Couves Dr. William Alfred Jamieson Donald Dr. Manual Mervin Laskin

Dr. William Alexander Maclean Dr. Vernon William Sobey Dr. Robert Guy Williams

Ophthalmology
Dr. Thomas Alexander Somerville Boyd Dr. Saw

Dr. Saw Taik Leong

Obstetrics and Gynaecology

Dr. Donald John MacGregor Dr. Evelyn Grace Tess Trueman

Dr. William Foster Ferguson Dr. Robert George Hibberd Hall

Dr. James Stevenson Barr

Urology

Orthopaedic Surgery

Dr. William Alexander Shandro

Dr. John Richmond Huckell

Dr. Alvin Hubert McKenzie

#### AGROLOGY

SEPTEMBER, 1959

Berg, Sten Sveger Doran, William Joseph Hoyt, Paul Blair

OCTOBER, 1959

Bacle, Jean Francois Ens, Jacob Guillon, Pierre

NOVEMBER, 1959 Campbell, William Earl Chrumka, Joseph Ireland, Rodger Norman Jeffrey, Herbert Bruce

Martin, Alvin Empey Porter, Kenneth Drysdale

Paquin, Charles E.

DECEMBER, 1959 Brown, John Arthur.

JANUARY, 1960 Flewitt, Clare Scott Long, Harry H.

FEBRUARY, 1960 Andrew, William Treleaven Campbell, Hugh

APRIL, 1960

Bocock, John R.

Clark, Donald Ernest
Dietz, Walter
Dormaar, John Frederick
Goettel, Adolph William
Harrold, Terence Lee
Lancaster, Joseph Thomas

Lewis, John William R.

Edmunds, John Wesley

Wilson, Byron H.

Moffat, Robert Clinton Taylor, Kenneth Gordon

McBeath, Douglas Kay McNaughton, Gordon Roy Madill, Herbert Dinsmore Nieberding, Robert Sveinson, Keith Reginald Thomas, Ronald Leslie Usher, Charles Leslie Woodbridge, William George

#### ALBERTA LAND SURVEYING

Eby, R. Bruce Ter Hart, Jan D.

#### ARCHITECTURE

Sahin, Bela T.

### ENGINEERING

Kolozs, Paul
Lyle, John Malcolm
Malychuk, Nick
Nelson, Virgil Harold
Peacock, William Boyd
Piper, Arthur E.
Thompson, Harry Law
Tremain, James Wiggins
Welch, Gerald Ernest

Jones, Sydney Thomas Kelly, Donald Harry Krucklin, Robert Elmer Laidlaw, William Skene MacKenzie, Angus George Meronek, Harry Moar, John Morris, Walter Peters, Gordon Thomas Piper, Frank Ivan Reynolds, Donald Keith Sherwood, Benjamin Harry Shykula, Steve Wells, Charles Thomas

Kay, William Chee
Lazerte, Roland Milton
McAthey, Gordon Robert
Michaud, Joseph Edouard
Newmarch, Charles Bell
Nodwell, John Albert

APRIL, 1960

Barnett, Douglas E. Dozzi, Argilio S.

FEBRUARY, 1960
Piffko, Julius
MARCH, 1960
Kehoe, David McLaren

#### NOVEMBER, 1959

Alexander, Bruce
Barry, Charles Benton
Basler, Harry Gerard
Bruskiewich, Steve George
Carter, Sandford Lee
Fowler, John Douglas
Grant, James Lewis
Hodgkinson, Douglas Albert
Kehr, Murray Allen

#### DECEMBER, 1959

Archibald, Roy William
Bakker, Jaap Jelle
Cawley, Ross Howard
Chambers, Thomas William
Clarke, Philip John
Cox, Kenneth Edward
Cuyler, Edgar John
Daily, Donald Vernon
Eng, Allen Yiu Voon
Ferguson, John McWilliam
Grimes, Douglas Robert
Hart, Anthony Sijbrand
Hendrickson, Henry Hubert
Johnston, Charles Wesley

#### JANUARY, 1960

Beare, Richard Oliver Billings, John Cowan, Stanley Guild Ellert, Carl N. Horne, Thomas Eugene Kaszas, Ernest Frank Pasini, Albert Roger Patton, Alexander A. M. Tibbitt, Harry Read

FEBRUARY, 1960
Coates, Donald Francis
Creighton, Hugh Herbert Lowry
Dromlewicz, Andrew S. W.
Girling, Richard Mitchell
Grant, Basil Bradley
Halpin, Robert Arthur
Hawthorne, James Wilbert
Holick, Donald Howard
Hwang, Pei Hsi

Jones, John Frederick Lacombe, Claude Lewis, George W.

Jacobsen, Jacob Martin

MARCH, 1960
Anderson, Njaal Tore Berg
Andreyko, Norman Joseph
Bethune, Thomas Adam
Boyd, Neill Macmillan
Brown, Ronald A. S.
Cherry, Donald Earl
Feldberg, Heinz Guenther
Ferrier, Douglas Webster
Johnsson, Eskil L.
Kotyk, Slaw
McGreer, Thomas D'Arcy
Macklin, George Alexander
Purdy, Gary Rush
Richards, Neil
Rolston, James John

APRIL, 1960
Anderson, Inge Herman
Berry, John William Daryl
Biederman, William Harns
Bradfield, Robert Elliott
Collins, Malcolm McKittrick Chase
Demcoe, Paul
Franklin, Lindsay Johnston
Fraser, Elmer Croft
Kilburn, John Dufferin
King, Wilbur A.
McArthur, John Bradford
McPherson, John Donald Perrin

MAY, 1960 Anderson, Anders Roald Antoniw, William Philip Aziz, Khalid Bartholomew, Roy Milton Bartkiewicz, Thaddeus Joseph Beckett, Harry Wallace Belik, Ernest Bourne, Thomas Edward Boykiw, Albert Leo Chorney, Michael Clarke, Thomas Peter Dea, Arthur Patrick Murray Dunlop, James Donald Fuchs, Hubert Peter Giovanetto, John Bruno Goff, James Roderick Kornelsen, Rudolph Woldemar Walker, William Michael Young, Raymond Russell

McCartan, James John Maftechuk, Thomas Morrison, Kenneth Ian Riddle, John Norman Samaska, Joseph Sawatzky, Daniel Thomson, Stanley Wake, Keith Parker Wallace, Joseph John Ward, Lyle Chester Wood, David Robert Wright, Donald Edgar Wurzbach, Clinton Otto

Shymoniak, John
Stanich, Robert William Lawrence
Storcer, Anthony
Strashok, Philip
Sworder, Bernard Frederick
Tutt, David Wilcox
Vavra, Steve
West, John David
Whittaker, Gerald Clark
Wiber, Harold Graham
Clark, Norman Ancrum
Greenwood, Garth Manly
Hart, Richard Tamplin
Hayward, Russell Edward

Mair, Alexander John Minoque, Earl William Nelson, Calvin Duane Pauling, George Dunham Peterson, Ronald Merle Ray, George Lee Ritchie, Christopher Shaul, Charles Earl Taylor, Norman Edward Trylowsky, Bohdan Wylie, Harvey Douglas

McDonald, Daniel Talmage Maltz, Allan A. Mulder, Terence Erick Read, John Huntly Reece, Alan William Robinson, Malcolm Campbell See, Richard M. Shephard, Cecil Anthony Yaxley Stauch, Rene Edward Taylor, Edwin Leslie Wadden, Charles Arthur Warwaruk, Joseph Watt, James Kenneth Wilson, Norman Emory Woodroffe, Harvey Allison Zazula, Stanley James

#### NURSING

JANUARY, 1960

Abernethy, Ellen Mabel (Mrs.) Asato, Sadako Sally Atkinson, Dianne Marie Baier, Louise Elizabeth Baron, Marlene Baron, Mildred Delores Barrett, Barbara Joan Beaupre, Alice Elizabeth Belzer, Margaret Mary D. Bigg, Phyllis Muriel Bolte, Gerda Anne Burnham, Mary Madeleine Carscadden, Lou Anne Carter, Charlotte Lauralee Chausse, Janice Fay Louise Cotton, Valerie Esmae Coulter, Nancy Elizabeth Cumming, Margaret Rose Cummings, Marjorie Alice Cwiklewich, Irene Cymbala, Marjorie Patricia N. Daly, Margaret Daunine Dannewald, Marlene Ellen Davidson, Rita Mae Doan, Patsy Wade Edenloff, Clare Fay Eeles, Rachael Ann Fetherstonhaugh, Carolyn Louise Foerster, Arline Joyce Gallagher, Valera Lorraine George, Sheila Marie Gereluk, Natalia Gibbs, Dorothy Giedeman, Caroline Katherine Glanville, Joyce Frances Glenday, Dorothy Inez Graham, Lynn Anne Hanson, Shiela Jerine Hare, Ethel Kathleen Harrison, Elizabeth Marian Hauck, Marian Aileen Hegge, Elnora Arlene Hennessy, Eleanor Marion Herndon, Joan Carol Hooper, Dorothy Anne Ingalls, Marion Jeanette Jacko, Louise Helen Johnson, Joyce Cynthia Kay, Joyce Mary Breedon (Mrs.) Klotz, Marlene Delores Knox, Margaret Ruth Kolodychuk, Janet Yvonne N. Kozma, Eileen Mary Kuczmak, Annie Mary Larson, Beverly Ann Lauver, Mabel Elizabeth Law, Margaret Jean Lawley, Louise Annette Lent, Margaret Joan Lerouge, Aline Ann Jeanne

Lewis, Lola Carnita Long, Betty Margaret McCallum, Dorothy Irene McCammon, Laverne Louise MacDonald, Margaret Rose McGerrigle, Irma Jean MacGowan, Patricia Ann McShane, Donna Joan (Mrs.) Makarenko, Geraldine Marian Masson, Madaline C. Mellor, Stella Ann (Mrs.) Merchant, Mona Bernadette Michel, Marjory Anne Miller, Marjory Edith Miller, Marlene Elaine Mitchell, Joyce Anne Morgan, Carole Evelyn Murdoch, Shirley Dena Naslund, Dagny Marion Nelson, Madeline Ann Nielsen, Bettina Lorraine O'Connor, Geraldine Mary Ofner, Margaret Orchuk, Jeannette Mary Oshanek, Jeanette Perring, Valerie Jean Podhainy, Olga Porayko, Geraldine Randall, Elsie Ann Rehmann, Marie Rosina Richards, Margaret Jean Rimmer, Eilleen Cecelia Robertson, Valerie (Mrs.) Robinson, Elaine Roberta Roose, Myrna Carrie Ross, Donna Arlene Anne Rumsey, Bertha Ellen Saulnier, Gail Ilsa (Mrs.) Schafer, Shirley Anne Schroter, Joan M. (Mrs.) Shapko, Phyllis Janet Sharp, Sharon Florence Sharpe, Norah Grace Sherstan, Nellie Eleanor Slavik, Catherine Spiller, Shirley Anne Swanson, Doreen Marion Theroux, Eva Frances Thomas, Kathleen Ann Thompson, Ella Gwenne Toane, Virginia Edith Turner, Ethel Marion Vallee, Suzanne Lovisette Van Steinburg, Lylla Mae Vollman, Elizabeth Mary Wilson, Laura Mae Woitte, Edna Fay Wutzke, Margery A. Zwack, Shirley Anne

PHARMACY

**APRIL**, 1960

Andreen, Stewart Peter















